

In The Claims:

Please withdraw claims 9-21 and 24.

1. (Original): A method for combining at least a portion of a plurality of images, comprising the steps of:

obtaining a first image and a second image, wherein at least a portion of said first image and said second image include a common field of view;

adjusting at least a portion of said first image to reduce an image disparity between said common field of view of said first image and said second image; and,

combining at least a portion of said first image and at least a portion of said second image subsequent to said step of adjusting.

2. (Original): The method of Claim 1, wherein said step of adjusting at least a portion of said first image includes shifting said first image a first distance with respect to said second image.

3. (Original): The method of Claim 1 wherein said step of adjusting includes the steps of:
determining a plurality of disparity differences between at least a portion of said first image and at least a portion of said second image, each disparity difference corresponding to a distance of adjustment of said first image with respect to said second image; and

selecting a distance corresponding to a lowest disparity difference in said plurality of disparity differences as a first distance; and,

shifting said first image said first distance with respect to said second image.

4. (Original): The method of Claim 1, further including the step of:
adjusting said second image to reduce said image disparity between said common field of view of
said first image and said second image.
5. (Original): The method of Claim 4, wherein said step of adjusting said second image
includes shifting said second image a second distance.
6. (Original): The method of Claim 5 wherein said second distance is a distance where the
image disparity is reduced.
7. (Original): The method of Claim 1 further including the step of:
warping said first image and said second image into a common coordinate system of a composite
image subsequent to said step of obtaining.
8. (Original): The method of Claim 1 further including the step of:
cross-fading said common field of view of said first image and said second image, subsequent to
said step of adjusting.
9. (Withdrawn): A method for combining frames of video from a plurality of cameras
arranged in a camera array, comprising the steps of:
obtaining a first frame from a first camera, and a second frame from a second camera, wherein at
least a portion of said first frame and said second frame include a common field of view;
stretching at least a portion of said first frame to reduce an image disparity between said common
field of view of said first frame and said second frame; and,

combining said common field of view of said first frame and said second frame subsequent to said step of stretching.

10. (Withdrawn): The method of Claim 9, wherein said step of stretching at least a portion of said first frame includes stretching at least a portion of said first frame a first distance.

11. (Withdrawn): The method of Claim 10 wherein said first distance is a distance where disparity is reduced.

12. (Withdrawn): The method of Claim 9, further including the step of:
stretching said second frame to reduce said disparity between said common field of view of said first frame and said second frame.

13. (Withdrawn): The method of Claim 12, wherein said step of stretching said second frame includes stretching said second frame a second distance.

14. (Withdrawn): The method of Claim 9 wherein said step of stretching includes the steps of:

determining a plurality of disparity differences between at least a portion of said first frame and at least a portion of said second frame, each disparity difference corresponding to a distance of stretching of said first frame and said second frame; and

selecting a distance corresponding to a lowest disparity difference in said plurality of disparity differences as a stretching distance; and,

stretching at least a portion of said first frame and said second frame such that a total stretching of said first and second frames approximately equals said stretching distance.

15. (Withdrawn): The method of Claim 9 further including the step of:
warping said first frame and said second frame into a common coordinate system of a composite frame subsequent to said step of obtaining.

16. (Withdrawn): The method of Claim 9 further including the step of:
cross-fading said common field of view of said first frame and said second frame, subsequent to said step of stretching.

17. (Withdrawn): A method for combining a plurality of images captured from a plurality of cameras of a camera array into a panoramic image, comprising the steps of:
adjusting a first portion of a first image to reduce image disparity between said first portion of said first image and a second image;
adjusting a second portion of said first image to reduce image disparity between said second portion of said first image and a third image; and,
combining said first image, said second image, and said third image into a panoramic image.

18. (Withdrawn): The method of Claim 17 further including the step of:
warping said first image, said second image, and said third image into a common coordinate system of a composite image subsequent to said step of obtaining.

19. (Withdrawn): The method of Claim 17 further including the step of:
cross-fading said adjusted first portion of said first image with at least a portion of said second image, and
cross-fading said adjusted second portion of said first image with at least a portion of said third image.

20. (Withdrawn): The method of Claim 17 wherein said step of adjusting said first portion of said first image includes stretching said first portion of said first image a first distance; and
wherein said step of adjusting said second portion of said first image includes stretching said second portion of said first image a second distance.

21. (Withdrawn): The method of Claim 20 further including the steps of:
stretching at least a portion of said second image a third distance; and
stretching at least a portion of said third image a fourth distance.

22. (Original): An apparatus for producing a panoramic video, comprising:
a camera array including a plurality of cameras;
an image obtaining device, wherein said image obtaining device obtains a first image from a first camera in said camera array and a second image from a second camera in said camera array, wherein said first image and said second image include a common field of view;
an image adjustor, wherein said first image adjustor adjusts at least a portion of said first image to reduce an image disparity between said common field of view of said first image and said second image;
and,

an image combiner, wherein said image combiner combines at least a portion of said first image and at least a portion of said second image.

23. (Original): The apparatus of Claim 21, wherein said image adjustor adjusts at least a portion of said first image by shifting said first image a first distance.

24. (Withdrawn): The apparatus of Claim 21, wherein said image adjustor adjusts at least a portion of said first image by stretching said first image a first distance.

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